

## 2<sup>ND</sup> ARIZONA STATEWIDE TRIBAL, IHS, AZDHS, CDC RMSF MEETING

# FINANCE AND BUDGET COMMITTEE

*Create budgets to support a comprehensive RMSF control program encompassing animal control, environmental surveillance, tick control, community outreach/education, public health surveillance/investigation, and clinical education*

**Charlene Hamilton, Chair**  
Health Director  
White Mountain Apache Tribe

**Anita Brock, MPH**  
Epidemiologist  
San Carlos Apache Tribe

**Stephen R. Piontkowski, MSEH, REHS**  
District Environmental Health Officer  
Indian Health Service

**Velda Williams**  
Health Director  
San Carlos Apache Tribe

**Jennie Becenti**  
Health Director  
Tohono O'odham Nation

**Laverne Dallas**  
Health Director  
Gila River Indian Community



# OVERVIEW

- Sample budgets
- Animal control
- Environmental surveillance
- Tick control
- Community outreach/education
- PH surveillance/investigation
- Clinical education



# SAMPLE BUDGETS

See sample budgets in meeting packet



# ENVIRONMENTAL SURVEILLANCE

## Canine seroprevalance

- Historically performed in AZ w/ CDC assistant
  - Epi-Aids (*NEJM*, 353:587-94, 2005; *Zoonoses Public Health*, 58(2):85-92, 2011)
  - University study (*VBZD*, 10(2):117-23, 2010)
- Use of own/contracted veterinary services & private lab may become possibility (cost currently unknown)







# TICK CONTROL

## Granule pesticide: 2,400 homes

- 25 lb bag Permethrin: \$18 each
- 6 homes treated per bag
- 12 treatments per year

**Total = \$86,400**



# TICK CONTROL

## Liquid pesticide: 2675 homes (San Carlos)

- Treatment cost/house =  $\$3.00 \times 4 \text{ applications/year} = \$12.00$
- Four equipped ATVs = \$60,000
- One trailer to tow ATVs: \$15-20,000
- Seasonal workers: \$11-15.00/hour
  - \$12,000/6 months of work/applicator

**Total: \$118,000**



# **TICK CONTROL**

**Pesticide Management Professionals**

**Contract costs unknown**

**Some housing depts. use this**





# TICK CONTROL

## Seresto Collar: \$40/collar

- \$40 \* 5300 dogs = \$212,000

## Seasonal employees: \$11-15/hour

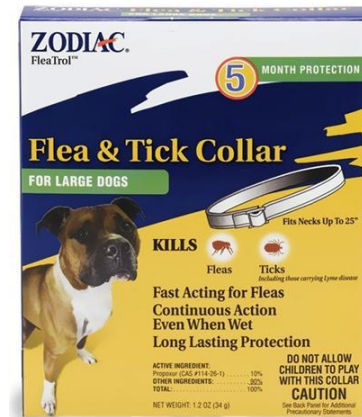
- \$6,000/3 months of work/employee

**Total: \$220,000**



## Amitraz/Propoxur collar:

**\$3.50 each for bulk purchase**



# TICK CONTROL

## Topical applications (top-spot)



# TICK CONTROL

## Tick habitat removal

- Partners: housing, solid waste, TEPA, USEPA, SFC
- Products: waste containers, transfer station operating hours, tipping fees, clean-up campaigns

**191 tons removed = \$155,000**



# TICK CONTROL = ANIMAL CONTROL

- ACO salary and benefits: \$ 25-35,000/year
- Vehicles: \$40,000
- Rental space/storage: \$5,000
- Contract veterinarian services: \$25,000
- Advertising/Promotional materials: \$3-5,000
- Utilities: \$5,000
- Training/Professional development: \$3-5,000
- Travel/Per diem: \$3,000
- Supplies/Misc.: \$10,000
- Total =\$125,000/year





# COMMUNITY OUTREACH/EDUCATION

- 5,000 RMSF brochures: \$600
- 5,000 coloring book calendars: \$5,000
- Postage: \$500
- Newspaper: check local pricing
- Social media: \$0
- Radio: \$0
- Oral presentations: staff time





# PH SURVEILLANCE/INVESTIGATION

Historically conducted by CDC via  
Epi-Aid in partnership w/ tribes as  
needed

- No cost to tribes



# CLINICAL EDUCATION

- **IHS Clinical Rounds, May 2012**
  - <http://ihs.adobeconnect.com/p1pd3wc1adc/>
- **CDC webinar**
  - [www.cdnetwork.org/NewCDN/LibraryView.aspx?ID=cdn552a](http://www.cdnetwork.org/NewCDN/LibraryView.aspx?ID=cdn552a)
- **Diagnosis and Management of Tickborne and Rickettsial Diseases... (*MMWR*, 55(RR04); 1-27, 2006)**
  - [www.cdc.gov/rmsf](http://www.cdc.gov/rmsf)



# POTENTIAL FUNDING SOURCES

- Tribal programs (HHS, PD, Housing, general fund)
- Grants: government or private (businesses, philanthropic orgs.)
- Emergency funds (ADHS, IHS, HUD, CDC)
- CDC: Community Transformation Grants



# PRIORITIZE FUNDS

Think *sustainability*



- ACOs @ HHS vs. Police Dept.
- Pesticide application when most effective
- Tick collar choice (8 months vs. 3 months)
- Removal of free roaming dogs
- Spay/neuter
- Human resources (temp vs. permanent)



# HUMAN RESOURCES





# Q & A

**THANK YOU**

